

32741

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re : Toshirio Sugiura et al.
Japanese Application No. : 2000-175904
Priority Date : June 12, 2000
Japanese Application No. : 2001-27365
Priority Date : February 02, 2001
Japanese Application No. : 2001-143824
Priority Date : May 14, 2001
FOR : NOISE ELIMINATION DEVICE
AND METHOD FOR INSTALLING
THE SAME

Lowell, Massachusetts
June 12, 2001

EXPRESS MAIL NO. EF 374 418 821 US

Commissioner of Patents
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Please amend the above-identified patent application as follows:

In the Claims

Please amend Claims 6, 7, 9, 12, 13, 15, 18, 19, 21, 30, 31, 33, 41, 42, 43, and 45 as follows:

6. (Amended) The noise elimination device according to [any of Claims 1, 3 and 5,] Claim 1, wherein one of the coaxial

connectors is a plug connector and the other coaxial connector is a jack connector.

7. (Amended) The noise elimination device according to [any of Claims 1, 3 and 5,] Claim 1, wherein the housing is substantially tube-shaped and the two ends of the housing are insulated from one another.

9. (Amended) The noise elimination device according to [any of Claims 1, 3 and 5,] Claim 1, wherein the two coaxial connectors are formed each in independent housings, the two housings are connected with a coaxial cable, and the coil is provided in one of the two housings.

12. (Amended) The noise elimination device according to Claim [6] 84, wherein the first and the second coil are made by serially winding around two ferrite cores, wherein one ferrite core is a closed magnetic ferrite core and the other ferrite core is an open magnetic ferrite core.

13. (Amended) The noise elimination device according to Claim [7] 86, wherein the first and the second coil are made by serially winding around two ferrite cores, wherein one ferrite core is a closed magnetic ferrite core and the other ferrite core is an open magnetic ferrite core.

15. (Amended) The noise elimination device according to Claim [9] 89, wherein the first and the second coil are made by serially winding around two ferrite cores, wherein one ferrite core is a closed magnetic ferrite core and the other ferrite core is an open magnetic ferrite core.

18. (Amended) The noise elimination device according to Claim [6] 84, wherein a conductor of the first coil is made of a center conductor and a conductor of the second coil is made of an outer conductor covering the center conductor, so that the coil conductors are arranged as a coaxial cable.

19. (Amended) The noise elimination device according to Claim [7] 86, wherein a conductor of the first coil is made of a center conductor and a conductor of the second coil is made of an outer conductor covering the center conductor, so that the coil conductors are arranged as a coaxial cable.

21. (Amended) The noise elimination device according to Claim [9] 88, wherein a conductor of the first coil is made of a center conductor and a conductor of the second coil is made of an outer conductor covering the center conductor, so that the coil conductors are arranged as a coaxial cable.

30. (Amended) The noise elimination device according to Claim [6] 84, wherein the ferrite core orthogonally intersects with a substrate, and the coil is formed by pattern formation of a coil conductor on the substrate in a shape that is wound around the ferrite core.

31. (Amended) The noise elimination device according to Claim [7] 86, wherein the ferrite core orthogonally intersects with a substrate, and the coil is formed by pattern formation of a coil conductor on the substrate in a shape that is wound around the ferrite core.

33. (Amended) The noise elimination device according to Claim [9] 88, wherein the ferrite core orthogonally intersects with a substrate, and the coil is formed by pattern formation of a coil conductor on the substrate in a shape that is wound around the ferrite core.

41. (Amended) The noise elimination device according to [any of Claims 3 and 5,] Claim 3, further comprising a transformer connected in series to the coil.

42. (Amended) The noise elimination device according to Claim [6] 83, further comprising a transformer connected in series to the coil.

43. (Amended) The noise elimination device according to Claim [7] 85, further comprising a transformer connected in series to the coil.

45. (Amended) The noise elimination device according to Claim [9] 87 , further comprising a transformer connected in series to the coil.

Please add new Claims 83-89 as follows:

83. The noise elimination device according to Claim 3, wherein one of the coaxial connectors is a plug connector and the other coaxial connector is a jack connector.

84. The noise elimination device according to Claim 5, wherein one of the coaxial connectors is a plug connector and the other coaxial connector is a jack connector.

85. The noise elimination device according to Claim 3, wherein the housing is substantially tube-shaped and the two ends of the housing are insulated from one another.

86. The noise elimination device according to 5, wherein the housing is substantially tube-shaped and the two ends of the housing are insulated from one another.

87. The noise elimination device according to Claim 3, wherein the two coaxial connectors are formed each in independent housings, the two housings are connected with a coaxial cable, and the coil is provided in one of the two housings.

88. The noise elimination device according to Claim 5, wherein the two coaxial connectors are formed each in independent housings, the two housings are connected with a coaxial cable, and the coil is provided in one of the two housings.

89. The noise elimination device according to Claim 5 further comprising a transformer connected in series to the coil.

REMARKS

Applicant is amending Claims 6, 7, 9, 12, 13, 15, 18, 19, 21, 30, 31, 33, 41, 42, 43, and 45, and adding new Claims 83-89 to avoid multiple dependent claims and to particularly point out and distinctly claim the subject matter which the Applicant regards as his invention.

Applicant believes that Claims 1-89 are in condition for allowance and request that the foregoing amendment be entered and the case sent to issue.

32741

If there are any questions, we urge the Examiner to call us. Please charge any costs in connection with this document to our Deposit Account No. 16-0875.

Respectfully Submitted,

PEARSON & PEARSON

By



JOHN H. PEARSON, JR.

Reg. No. 32,288

10 George Street

Lowell, Massachusetts 01852

(978) 452-1971

MJD:P:\data\ishida\32759\PTO\amendpre.app